



FOR CLERK USE ONLY

City Council

Item No. 5

CITY COUNCIL AGENDA

FACT SHEET

Utility Services

Department

April 6, 2010

Requested Date

1. Request:

Council Approval

☒Information Only/
Presentation☐

Other (specify)

☐

Hearing

☐

2. Requested Action:

It is recommended the City Council award bid proposal to E.H. Wachs for the purchase of a valve exercise machine and vacuum system and excavation cleanout unit for the Water Distribution Division

3. Fiscal Impact:

Revenue

Increase

☐

Source:

Decrease

☐

Amount:

Cost:

Increase

☐

Source: Water Operating #511

Decrease

☐

Amount: \$49,829.25

4. Reviewed By:

Finance Dept. on _____
Comments:

By: _____

City Attorney on _____
Comments:

By: _____

Note: Back up must be submitted along with this form. Deadline is 5:00 p.m., Tuesday, prior to the scheduled meeting date.

CLERK USE ONLY:

CITY COUNCIL DATE:

Action

☐

Consent

☐

Hearing

☐

Filing

☐

Presentation

☐

Other (specify)

☐

Reviewed by: City Clerk _____

City Manager _____

Date _____

Date _____

CITY COUNCIL AGENDA REPORT

SUBJECT: Award Bid Proposal to E.H. Wachs for the Purchase of a Valve Exercise Machine and Vacuum System and Excavation Cleanout Unit

AGENDA DATE: April 6, 2010

PREPARED BY: Luis Estrada, Director of Utility Services



APPROVED FOR AGENDA BY: Victor Carrillo, City Manager

RECOMMENDATION: It is recommended the City Council award bid proposal to E.H. Wachs for the purchase of a valve exercise machine and vacuum system and excavation cleanout unit for the Water Distribution Division

FISCAL IMPACT: \$49,829.25 (Budgeted Item FY 2009-2010)

BACKGROUND INFORMATION: (Prior action/information):

On March 18, 2010, the Water Distribution Division received four price quotes for the purchase of a valve exercise machine and vacuum system and excavation cleanout unit:

1.	Vermeer Pacific – Vac Tron	\$45,920.78
2.	E. H. Wachs	\$49,829.25
3.	Balar Equipment Corp.	\$66,228.48
4.	Vermeer Pacific – McLaughlin	\$69,926.25

DISCUSSION (Current consideration): After reviewing the bids submitted for the Valve Exercise Machine and Vacuum. It is staff recommendation that the bid be awarded to the second lowest bidder E.H. Wachs. E.H. Wachs mets all the required specifications. Vermeer Pacific – Vac Tron who was the lowest bidder did not meet 4 items of the bid specifications.

Agenda Item No. ____

Page ____ Of ____

Memo

To: Luis Estrada, Director of Utility Services
From: Jose Saldana, Chief Distribution Operator
CC: file
Date: 3/31/2010
Re: Bid Specification For Valve Exercise Machine

Luis,

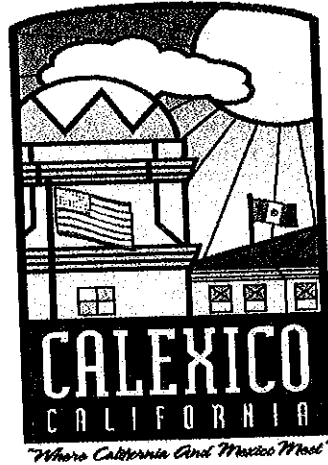
After reviewing the bids submitted for the Valve Exercise Machine and Vacuum. It is my recommendation to award the bid to the second lowest bidder E.H. Wachs. E.H. Wachs meets all the required specifications. Vermeer Pacific who was the lowest bidder did not meet 4 items of the bid specifications.

Below please find the 4 items that weren't met by Veermer Pacific.

ITEM	SPECS	WACHS	VERMEER
CAPACITY	VALVES UP TO 60"	60"	48"
SPEED CONTROL	30 rpm 750 ft lbs	750 ft lbs	405 ft lbs
REACH	13'	13'	12'
POWER	27 HP GAS	27 HP	25 HP

If you have any question please call me at 760-768-2162.

CITY OF CALEXICO



Bid Specifications For Valve Exercise Machine and Vacuum System and Excavation Cleanout Unit

Utility Services Department
608 Heber Avenue
Calexico, California 92231
760/768-2180
www.calexico.ca.gov
utilityservices@calexico.ca.gov

CITY OF CALEXICO
Utility Services Department

Request for Bids

Notice is hereby given that the City of Calexico will receive sealed bids for the following equipment:

Valve Exercise Machine and Vacuum System/Excavation Cleanout Unit

Sealed bids will be received at the office of the City Clerk of the City of Calexico at the City Hall, 608 Heber Avenue, Calexico, California until 1:30p.m. on Thursday, March 18, 2010, at which time they will be publicly opened and read at the above stated time and place.

Bid specifications for this equipment can be obtained at the office of the Utility Services Department, City of Calexico, City Hall, 608 Heber Avenue, Calexico, California 92231 or by visiting the City of Calexico website at www.calexico.ca.gov.

If you have any questions or require additional information, please do not hesitate to contact the Utility Services Department at 760/768-2180.

Luis Estrada
Director of Utility Services

CITY OF CALEXICO
Minimum Specifications for
Valve Exercise Machine and Vacuum System/Excavation Cleanout Unit

Vender: E.H. Wachs
Address: 455 Comanche Cir Harvard, IL. 60033
Phone No.: 815-943-4785
Sales Representative: George Yerk
Bid Price per Unit including all applicable taxes and fees: \$ 49,829.25

A) Valve Exerciser/Controller

Item Description		Check Off List
CAPACITY	Operates all valves 4"-60"	Comply
SPEED/SPEED CONTROL	5-30 rpm; 0-750 ft. lbs. torque/ hydraulic flow controlled by engine speed	Comply
DRIVE	Hydraulic motor, chain drive reduction; 8 GPM recommended, 12 GPM maximum; flow control adjustable between 0-7 GPM. Excess flow bypassed to tank; 1800 PSI at 750 ft. lbs. torque	Comply
CONTROL VALVE	Solenoid operated hydraulic directional control valve. On, off, and direction operated from microprocessor controller	Comply
CONTROLLER	Detachable pendant type microprocessor controller with Microsoft Windows Mobile operating system. 'One-click Synchronization' with MS access database. Includes touch screen with sunlight readable color TFT display, 200 MHz processor, 128 MB non volatile flash storage, Data field 100% user-definable, Integrated Bluetooth, Alphanumeric keypad, Handwriting recognition, USB data transfer and Water proof/ IP67 sealed unit . Controller is to be pocket PC style with Windows based operating system. Touch screen display to allow operator to control various valve exercise operations. Controller is capable of capturing and sending data in conjunction with valve management software. LCD readout displays: revolution count, operating torque, peak torque, torque limit, and direction of operation.	Comply

AUTOMATION	Must be capable of operating valve in automatic exercise mode with "No assumption of valve size or direction". Control must be portable and allow operator to stand at least 5 feet from the machine during operation. Controller must operate at least amount of torque possible in exercise mode to avoid valve damage. Controller must automatically stop machine rotation and reverse direction for 1-3 turns before allowing torque increase. Controller must allow operator to enter a torque limit. Controller must stop machine rotation when torque limit is reached.	Comply
TORQUE	Machine must accept 100% of reaction torque and permit hands free operation. 0-750 ft. lbs. torque.	Comply
SOFTWARE/ VITALS Mobile	Controls the patented automation process of ERV-750. Provides customizable data entry screens for valve data and valve activity data, including torque charts. Data transfer includes valve ID, operator ID, date and time of operation, torque, turns, and custom remarks. Synchronizes with Microsoft Access using VITALS Desktop and Microsoft ActiveSync. Supports GPS receivers using compact flash, serial cable, or Bluetooth.	Comply
REACH	Valve operating machine capable of 270 degree movement. 13' of extendable reach from pedestal mount. No operator support or interaction required during valve exercise. All torque is transmitted back through machine only.	Comply
BRAKING SYSTEM	Dual hydraulic locking disc brakes to stabilize arm while positioning and in operation. Hydraulic brake pressure is controlled electronically. A check valve maintains brake pressure while holding torque. A sealed push-button disengages the check valve to release brakes. NO PINS TO ABSORB TORQUE REACTION WILL BE ACCEPTED.	Comply
FRAME	Valve exerciser arm constructed of the following: Pivot arms- A500 steel structural square tube, 2 1/2" x .120 wall (11 GA). Extension arm- A500 steel structural square tube, 2" x .120 wall (11 GA)	Comply
COLOR	Powder-coated 2 part urethane white	Comply
VALVE KEYS	1" square high strength cold rolled steel adaptor with swivel joint for misalignment. Telescoping valve key standard for 4'- 9' operation. Optional 36" extension key attachments.	Comply

B) Vacuum System/Excavation Cleanout Unit

Item Description		Check Off List
POWER SOURCE	27 horse power gasoline driven/ Kohler Model CH740S Command Pro27	Comply

ENGINE CONTROLS	Control panel includes: tachometer, hour meter, vacuum break valve, vacuum gauge, dump switch, warning lights switch, and pressure switch, and controls.	Comply
BLOWER	Belt drive positive displacement rotary lobe impeller style with 500 cfm, 11Hg max vacuum, 14,000 FPM air flow through 3" hose	Comply
FILTRATION	Staged filtration consisting of a heavy material drop out debris tank with a self-contained primary and secondary filter canister with a 10 micron polyester reusable cartridge. All filters washable and reusable.	Comply
SUCTION HOSE AND WAND	3" x 20' suction hose with 3" x 6 1/2' steel suction wands. Optional diameter lengths and widths available for suction wands- 2 1/2" x 6 1/2', 1 1/4" x 6 1/2' wands.	Comply
DEBRIS HOLDING TANK	Available in 100, 150 or 200 (<i>Please specify</i>) liquid gallon holding capacity. Top hinged full opening dump door with hydraulic door latch, sure seal square gasket, 6" mechanical ball shut-off, and 3" dump valve.	Comply
DUMPING	Twin cylinder electric over hydraulic dump system, powered by Monarch HPU, with the slide and tip system. Moves tank 12" back before tilting to clear the truck/trailer bed for dumping, then lifts to 55 degrees to drop debris.	Comply
PRESSURE WASHER	2.5 gpm with 3000 psi pressure washer with thermal overload protection. 5 gallon antifreeze tank, 66 gallon clean water holding tank with antifreeze/water selector valve, and 50' hose on spring rewind hose reel. Includes zero degree digging wand and 45 degree wash down "shorty" wash-down wand.	Comply
COLOR	Two part urethane color white	Comply
OPTIONAL HYDRAULIC PUMP	Direct drive, coupled, shaft to shaft hydraulic pump to be used to operate Wachs model TM7, ERV, or hydraulic tool circuit.	Comply

Comments:

C) Published Specification

The above mentioned specifications describe the minimum requirements for a 2010 Valve Exercise Machine. The equipment bid shall be new, identifying equipment manufactured the same year or succeeding year of the bid, of a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following

specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacture's published specification shall be included with the bid.

D) Warranty

The Valve Exercise Machine warranty shall include the following:

- 1 year warranty for full equipment
- 1 year warranty for labor
- 1 year warranty for maintenance

E) Training

Upon delivery of equipment, vendor shall provide the City four (4) hours of equipment training. In addition, vendor shall provide four (4) hours of software installation and training.

F) Delivery

Delivery charge must be included in bid price. The City of Calexico must have the Valve Exercise Machine delivered 45 days after Notice of Award has been issued.

G) Business License

Vendor shall have a business license issued by the City prior to the delivery of the equipment.



Sales Representative Signature

03/16/2010
Date

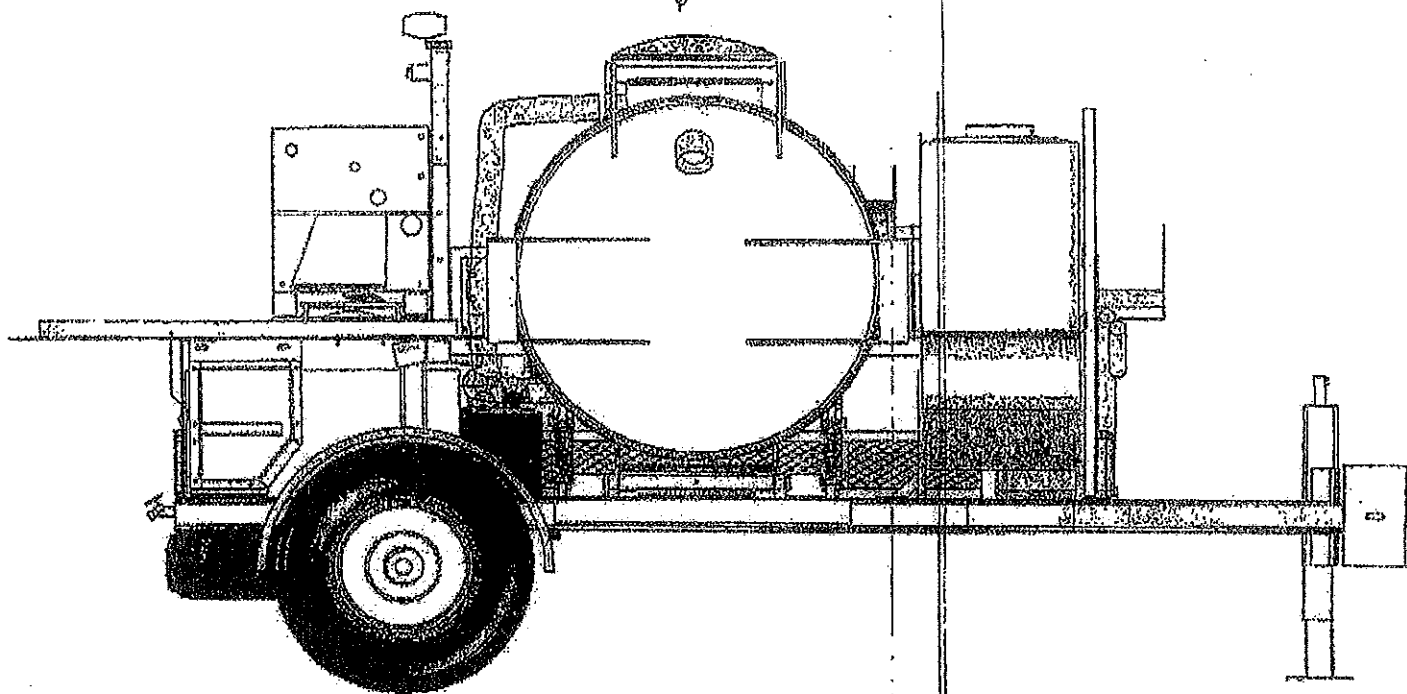
Trailer Empty 5,240

Full 7,500

2,260 water

8.35 @ 270 gal.

VEHICLE



Empty 4,380

Full 6,250

AXLE

Tanks Empty 850

Tanks Full 1,250

Spoils Only 1,350

Torque

CITY OF CALEXICO
Minimum Specifications for
Valve Exercise Machine and Vacuum System/Excavation Cleanout Unit

Vender: Vermeer Pacific - Vac Tron
Address: 13625 Danielson St. Poway, CA. 92064
Phone No.: 858-679-9200
Sales Representative: Cabe Jarvis 760-420-9356
Bid Price per Unit including all applicable taxes and fees: \$45,920.78

A) Valve Exerciser/Controller

Item Description		Check Off List
CAPACITY	Operates all valves 4"-60"	up to 48" ✓
SPEED/SPEED CONTROL	5-30 rpm; 0-750 ft. lbs. torque/ hydraulic flow controlled by engine speed	50 rpm 405 ft. lbs ✓
DRIVE	Hydraulic motor, chain drive reduction; 8 GPM recommended, 12 GPM maximum; flow control adjustable between 0-7 GPM. Excess flow bypassed to tank; 1800 PSI at 750 ft. lbs. torque	see spec sheet
CONTROL VALVE	Solenoid operated hydraulic directional control valve. On, off, and direction operated from microprocessor controller	see spec sheet
CONTROLLER	Detachable pendant type microprocessor controller with Microsoft Windows Mobile operating system. 'One-click Synchronization' with MS access database. Includes touch screen with sunlight readable color TFT display, 200 MHz processor, 128 MB non volatile flash storage, Data field 100% user-definable, Integrated Bluetooth, Alphanumeric keypad, Handwriting recognition, USB data transfer and Water proof/ IP67 sealed unit . Controller is to be pocket PC style with Windows based operating system. Touch screen display to allow operator to control various valve exercise operations. Controller is capable of capturing and sending data in conjunction with valve management software. LCD readout displays: revolution count, operating torque, peak torque, torque limit, and direction of operation.	See attached spec sheet

AUTOMATION	Must be capable of operating valve in automatic exercise mode with "No assumption of valve size or direction". Control must be portable and allow operator to stand at least 5 feet from the machine during operation. Controller must operate at least amount of torque possible in exercise mode to avoid valve damage. Controller must automatically stop machine rotation and reverse direction for 1-3 turns before allowing torque increase. Controller must allow operator to enter a torque limit. Controller must stop machine rotation when torque limit is reached.	No See spec Sheet
TORQUE	Machine must accept 100% of reaction torque and permit hands free operation. 0-750 ft. lbs. torque.	see spec Sheet
SOFTWARE/ VITALS Mobile	Controls the patented automation process of ERV-750. Provides customizable data entry screens for valve data and valve activity data, including torque charts. Data transfer includes valve ID, operator ID, date and time of operation, torque, turns, and custom remarks. Synchronizes with Microsoft Access using VITALS Desktop and Microsoft ActiveSync. Supports GPS receivers using compact flash, serial cable, or Bluetooth.	See spec Sheet.
REACH	Valve operating machine capable of 270 degree movement. 13' of extendable reach from pedestal mount. No operator support or interaction required during valve exercise. All torque is transmitted back through machine only.	12' reach
BRAKING SYSTEM	Dual hydraulic locking disc brakes to stabilize arm while positioning and in operation. Hydraulic brake pressure is controlled electronically. A check valve maintains brake pressure while holding torque. A sealed push-button disengages the check valve to release brakes. NO PINS TO ABSORB TORQUE REACTION WILL BE ACCEPTED.	yes
FRAME	Valve exerciser arm constructed of the following: Pivot arms- A500 steel structural square tube, 2 1/2" x .120 wall (11 GA). Extension arm- A500 steel structural square tube, 2" x .120 wall (11 GA)	Yes
COLOR	Powder-coated 2 part urethane white	Yes
VALVE KEYS	1" square high strength cold rolled steel adaptor with swivel joint for misalignment. Telescoping valve key standard for 4' - 9' operation. Optional 36" extension key attachments.	Yes

B) Vacuum System/Excavation Cleanout Unit

Item Description		Check Off List
POWER SOURCE	27 horse power gasoline driven/ Kohler Model CH740S Command Pro27	25hp Kohler ✓

ENGINE CONTROLS	Control panel includes: tachometer, hour meter, vacuum break valve, vacuum gauge, dump switch, warning lights switch, and pressure switch, and controls.	Yes
BLOWER	Belt drive positive displacement rotary lobe impeller style with 500 cfm, 11Hg max vacuum, 14,000 FPM air flow through 3" hose	550 cfm 15 hg
FILTRATION	Staged filtration consisting of a heavy material drop out debris tank with a self-contained primary and secondary filter canister with a 10 micron polyester reusable cartridge. All filters washable and reusable.	see spec sheet
SUCTION HOSE AND WAND	3" x 20' suction hose with 3" x 6 1/2' steel suction wands. Optional diameter lengths and widths available for suction wands- 2 1/2" x 6 1/2', 1 1/4" x 6 1/2' wands.	Yes - see spec sheet
DEBRIS HOLDING TANK	Available in 100, 150 or 200 (<i>Please specify</i>) liquid gallon holding capacity. Top hinged full opening dump door with hydraulic door latch, sure seal square gasket, 6" mechanical ball shut-off, and 3" dump valve.	150 gallon - see spec sheet
DUMPING	Twin cylinder electric over hydraulic dump system, powered by Monarch HPU, with the slide and tip system. Moves tank 12" back before tilting to clear the truck/trailer bed for dumping, then lifts to 55 degrees to drop debris.	see spec sheet
PRESSURE WASHER	2.5 gpm with 3000 psi pressure washer with thermal overload protection. 5 gallon antifreeze tank, 66 gallon clean water holding tank with antifreeze/water selector valve, and 50' hose on spring rewind hose reel. Includes zero degree digging wand and 45 degree wash down "shorty" wash-down wand.	Yes
COLOR	Two part urethane color white	Yes
OPTIONAL HYDRAULIC PUMP	Direct drive, coupled, shaft to shaft hydraulic pump to be used to operate Wachs model TM7, ERV, or hydraulic tool circuit.	Yes see spec sheet

Comments:

C) Published Specification

The above mentioned specifications describe the minimum requirements for a 2010 Valve Exercise Machine. The equipment bid shall be new, identifying equipment manufactured the same year or succeeding year of the bid, of a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following

specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacture's published specification shall be included with the bid.

D) Warranty

The Valve Exercise Machine warranty shall include the following:

- 1 year warranty for full equipment
- 1 year warranty for labor
- 1 year warranty for maintenance

E) Training

Upon delivery of equipment, vendor shall provide the City four (4) hours of equipment training. In addition, vendor shall provide four (4) hours of software installation and training.

F) Delivery

Delivery charge must be included in bid price. The City of Calexico must have the Valve Exercise Machine delivered 45 days after Notice of Award has been issued.

G) Business License

Vendor shall have a business license issued by the City prior to the delivery of the equipment.


Sales Representative Signature

3-17-10
Date

CITY OF CALEXICO
Minimum Specifications for
Valve Exercise Machine and Vacuum System/Excavation Cleanout Unit

Vender:	BALAR EQUIPMENT CORPORATION
Address:	11023 N. 22nd Ave., Phoenix AZ 85029
Phone No.:	602-944-1933
Sales Representative:	Valden Teeples
Bid Price per Unit including all applicable taxes and fees: \$ 66,228.48	

A) Valve Exerciser/Controller

Item Description		Check Off List
CAPACITY	Operates all valves 4"-60"	Comply
SPEED/SPEED CONTROL	5-30 rpm; 0-750 ft. lbs. torque/ hydraulic flow controlled by engine speed	Comply
DRIVE	Hydraulic motor, chain drive reduction; 8 GPM recommended, 12 GPM maximum; flow control adjustable between 0-7 GPM. Excess flow bypassed to tank; 1800 PSI at 750 ft. lbs. torque	Comply
CONTROL VALVE	Solenoid operated hydraulic directional control valve. On, off, and direction operated from microprocessor controller	Comply
CONTROLLER	Detachable pendant type microprocessor controller with Microsoft Windows Mobile operating system. 'One-click Synchronization' with MS access database. Includes touch screen with sunlight readable color TFT display, 200 MHz processor, 128 MB non volatile flash storage, Data field 100% user-definable, Integrated Bluetooth, Alphanumeric keypad, Handwriting recognition, USB data transfer and Water proof/ IP67 sealed unit . Controller is to be pocket PC style with Windows based operating system. Touch screen display to allow operator to control various valve exercise operations. Controller is capable of capturing and sending data in conjunction with valve management software. LCD readout displays: revolution count, operating torque, peak torque, torque limit, and direction of operation.	Comply

AUTOMATION	Must be capable of operating valve in automatic exercise mode with "No assumption of valve size or direction". Control must be portable and allow operator to stand at least 5 feet from the machine during operation. Controller must operate at least amount of torque possible in exercise mode to avoid valve damage. Controller must automatically stop machine rotation and reverse direction for 1-3 turns before allowing torque increase. Controller must allow operator to enter a torque limit. Controller must stop machine rotation when torque limit is reached.	✓ ComPLY
TORQUE	Machine must accept 100% of reaction torque and permit hands free operation. 0-750 ft. lbs. torque.	ComPLY
SOFTWARE/ VITALS Mobile	Controls the patented automation process of ERV-750. Provides customizable data entry screens for valve data and valve activity data, including torque charts. Data transfer includes valve ID, operator ID, date and time of operation, torque, turns, and custom remarks. Synchronizes with Microsoft Access using VITALS Desktop and Microsoft ActiveSync. Supports GPS receivers using compact flash, serial cable, or Bluetooth.	ComPLY
REACH	Valve operating machine capable of 270 degree movement. 13' of extendable reach from pedestal mount. No operator support or interaction required during valve exercise. All torque is transmitted back through machine only.	ComPLY
BRAKING SYSTEM	Dual hydraulic locking disc brakes to stabilize arm while positioning and in operation. Hydraulic brake pressure is controlled electronically. A check valve maintains brake pressure while holding torque. A sealed push-button disengages the check valve to release brakes. NO PINS TO ABSORB TORQUE REACTION WILL BE ACCEPTED.	ComPLY
FRAME	Valve exerciser arm constructed of the following: Pivot arms- A500 steel structural square tube, 2 1/2" x .120 wall (11 GA). Extension arm- A500 steel structural square tube, 2" x .120 wall (11 GA)	ComPLY
COLOR	Powder-coated 2 part urethane white	ComPLY
VALVE KEYS	1" square high strength cold rolled steel adaptor with swivel joint for misalignment. Telescoping valve key standard for 4'- 9' operation. Optional 36" extension key attachments.	ComPLY

B) Vacuum System/Excavation Cleanout Unit

Item Description		Check Off List
POWER SOURCE	27 horse power gasoline driven/ Kohler Model CH740S Command Pro27	ComPLY

ENGINE CONTROLS	Control panel includes: tachometer, hour meter, vacuum break valve, vacuum gauge, dump switch, warning lights switch, and pressure switch, and controls.	Comply
BLOWER	Belt drive positive displacement rotary lobe impeller style with 500 cfm, 11Hg max vacuum, 14,000 FPM air flow through 3" hose	Comply
FILTRATION	Staged filtration consisting of a heavy material drop out debris tank with a self-contained primary and secondary filter canister with a 10 micron polyester reusable cartridge. All filters washable and reusable.	Comply
SUCTION HOSE AND WAND	3" x 20' suction hose with 3" x 6 1/2' steel suction wands. Optional diameter lengths and widths available for suction wands- 2 1/2" x 6 1/2', 1 1/4" x 6 1/2' wands.	Comply
DEBRIS HOLDING TANK	Available in 100, 150 or 200 (Please specify) liquid gallon holding capacity. Top hinged full opening dump door with hydraulic door latch, sure seal square gasket, 6" mechanical ball shut-off, and 3" dump valve.	Comply "150 gal, 200 gal"
DUMPING	Twin cylinder electric over hydraulic dump system, powered by Monarch HPU, with the slide and tip system. Moves tank 12" back before tilting to clear the truck/trailer bed for dumping, then lifts to 55 degrees to drop debris.	Comply
PRESSURE WASHER	2.5 gpm with 3000 psi pressure washer with thermal overload protection. 5 gallon antifreeze tank, 66 gallon clean water holding tank with antifreeze/water selector valve, and 50' hose on spring rewind hose reel. Includes zero degree digging wand and 45 degree wash down "shorty" wash-down wand.	Comply
COLOR	Two part urethane color white	Comply
OPTIONAL HYDRAULIC PUMP	Direct drive, coupled, shaft to shaft hydraulic pump to be used to operate Wachs model TM7, ERV, or hydraulic tool circuit.	Comply

Comments:

C) Published Specification

The above mentioned specifications describe the minimum requirements for a 2010 Valve Exercise Machine. The equipment bid shall be new, identifying equipment manufactured the same year or succeeding year of the bid, of a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following

specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacture's published specification shall be included with the bid.

D) Warranty

The Valve Exercise Machine warranty shall include the following:

- 1 year warranty for full equipment
- 1 year warranty for labor
- 1 year warranty for maintenance

E) Training

Upon delivery of equipment, vendor shall provide the City four (4) hours of equipment training. In addition, vendor shall provide four (4) hours of software installation and training.

F) Delivery

Delivery charge must be included in bid price. The City of Calexico must have the Valve Exercise Machine delivered 45 days after Notice of Award has been issued.

G) Business License

Phoenix
— DO NOT COMPLY — AZ BUSINESS LICENCE

Vendor shall have a business license issued by the City prior to the delivery of the equipment.


Sales Representative Signature

3-16-10
Date

CITY OF CALEXICO
Minimum Specifications for
Valve Exercise Machine and Vacuum System/Excavation Cleanout Unit

Vender:	Vermeer Pacific - McLaughlin
Address:	13625 Danielson St. Poway, Ca. 92064
Phone No.:	858-679-9200
Sales Representative:	Gabe Jarvis 760-420-9356
Bid Price per Unit including all applicable taxes and fees: \$ 69,926.25	

A) Valve Exerciser/Controller

Item Description		Check Off List
CAPACITY	Operates all valves 4"-60"	Yes
SPEED/SPEED CONTROL	5-30 rpm; 0-750 ft. lbs. torque/ hydraulic flow controlled by engine speed	Yes - see att. Ref. Doc
DRIVE	Hydraulic motor, chain drive reduction; 8 GPM recommended, 12 GPM maximum; flow control adjustable between 0-7 GPM. Excess flow bypassed to tank; 1800 PSI at 750 ft. lbs. torque	Yes - see att. ref. Doc.
CONTROL VALVE	Solenoid operated hydraulic directional control valve. On, off, and direction operated from microprocessor controller	Yes
CONTROLLER	Detachable pendant type microprocessor controller with Microsoft Windows Mobile operating system. 'One-click Synchronization' with MS access database. Includes touch screen with sunlight readable color TFT display, 200 MHz processor, 128 MB non volatile flash storage, Data field 100% user-definable, Integrated Bluetooth, Alphanumeric keypad, Handwriting recognition, USB data transfer and Water proof/ IP67 sealed unit . Controller is to be pocket PC style with Windows based operating system. Touch screen display to allow operator to control various valve exercise operations. Controller is capable of capturing and sending data in conjunction with valve management software. LCD readout displays: revolution count, operating torque, peak torque, torque limit, and direction of operation.	Similar not exact See ref. Doc. + Spec Sheet

AUTOMATION	Must be capable of operating valve in automatic exercise mode with "No assumption of valve size or direction". Control must be portable and allow operator to stand at least 5 feet from the machine during operation. Controller must operate at least amount of torque possible in exercise mode to avoid valve damage. Controller must automatically stop machine rotation and reverse direction for 1-3 turns before allowing torque increase. Controller must allow operator to enter a torque limit. Controller must stop machine rotation when torque limit is reached.	Please see Attached Ref. Doc.
TORQUE	Machine must accept 100% of reaction torque and permit hands free operation. 0-750 ft. lbs. torque.	Yes
SOFTWARE/ VITALS Mobile	Controls the patented automation process of ERV-750. Provides customizable data entry screens for valve data and valve activity data, including torque charts. Data transfer includes valve ID, operator ID, date and time of operation, torque, turns, and custom remarks. Synchronizes with Microsoft Access using VITALS Desktop and Microsoft ActiveSync. Supports GPS receivers using compact flash, serial cable, or Bluetooth.	Please see attached spec sheet
REACH	Valve operating machine capable of 270 degree movement. 13' of extendable reach from pedestal mount. No operator support or interaction required during valve exercise. All torque is transmitted back through machine only.	Yes
BRAKING SYSTEM	Dual hydraulic locking disc brakes to stabilize arm while positioning and in operation. Hydraulic brake pressure is controlled electronically. A check valve maintains brake pressure while holding torque. A sealed push-button disengages the check valve to release brakes. NO PINS TO ABSORB TORQUE REACTION WILL BE ACCEPTED.	Yes
FRAME	Valve exerciser arm constructed of the following: Pivot arms- A500 steel structural square tube, 2 1/2" x .120 wall (11 GA). Extension arm- A500 steel structural square tube, 2" x .120 wall (11 GA)	Yes
COLOR	Powder-coated 2 part urethane white	Yes
VALVE KEYS	1" square high strength cold rolled steel adaptor with swivel joint for misalignment. Telescoping valve key standard for 4'- 9' operation. Optional 36" extension key attachments.	Please see Attached Ref. Doc.

B) Vacuum System/Excavation Cleanout Unit

Item Description		Check Off List
POWER SOURCE	27 horse power gasoline driven/ Kohler Model CH740S Command Pro27	36 Hp Diesel

ENGINE CONTROLS	Control panel includes: tachometer, hour meter, vacuum break valve, vacuum gauge, dump switch, warning lights switch, and pressure switch, and controls.	Yes
BLOWER	Belt drive positive displacement rotary lobe impeller style with 500 cfm, 11Hg max vacuum, 14,000 FPM air flow through 3" hose	Yes 575 cfm 15hg
FILTRATION	Staged filtration consisting of a heavy material drop out debris tank with a self-contained primary and secondary filter canister with a 10 micron polyester reusable cartridge. All filters washable and reusable.	3 stage down to 2 micron
SUCTION HOSE AND WAND	3" x 20' suction hose with 3" x 6 1/2' steel suction wands. Optional diameter lengths and widths available for suction wands- 2 1/2" x 6 1/2', 1 1/4" x 6 1/2' wands.	Yes
DEBRIS HOLDING TANK	Available in 100, 150 or 200 (<i>Please specify</i>) liquid gallon holding capacity. Top hinged full opening dump door with hydraulic door latch, sure seal square gasket, 6" mechanical ball shut-off, and 3" dump valve.	250 gal. Please see attached spec sheet
DUMPING	Twin cylinder electric over hydraulic dump system, powered by Monarch HPU, with the slide and tip system. Moves tank 12" back before tilting to clear the truck/trailer bed for dumping, then lifts to 55 degrees to drop debris.	Yes - except only 45° dump angle. In tank clean out
PRESSURE WASHER	2.5 gpm with 3000 psi pressure washer with thermal overload protection. 5 gallon antifreeze tank, 66 gallon clean water holding tank with antifreeze/water selector valve, and 50' hose on spring rewind hose reel. Includes zero degree digging wand and 45 degree wash down "shorty" wash-down wand.	Yes
COLOR	Two part urethane color white	Yes
OPTIONAL HYDRAULIC PUMP	Direct drive, coupled, shaft to shaft hydraulic pump to be used to operate Wachs model TM7, ERV, or hydraulic tool circuit.	Yes - Std belt drive elect. clutch

Comments:

C) Published Specification

The above mentioned specifications describe the minimum requirements for a 2010 Valve Exercise Machine. The equipment bid shall be new, identifying equipment manufactured the same year or succeeding year of the bid, of a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following

specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacture's published specification shall be included with the bid.

D) Warranty

The Valve Exercise Machine warranty shall include the following:

- 1 year warranty for full equipment
- 1 year warranty for labor
- 1 year warranty for maintenance

E) Training

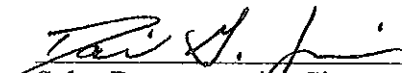
Upon delivery of equipment, vendor shall provide the City four (4) hours of equipment training. In addition, vendor shall provide four (4) hours of software installation and training.

F) Delivery

Delivery charge must be included in bid price. The City of Calexico must have the Valve Exercise Machine delivered 45 days after Notice of Award has been issued.

G) Business License

Vendor shall have a business license issued by the City prior to the delivery of the equipment.


Sales Representative Signature

3-17-10
Date